

2021 EUROPEAN CONFERENCE
ON PROCESS SAFETY & BIG DATA



Conference Time Zone: Central European Summer Time

October 13, 2021	
2:00 – 2:10 PM	WELCOME ADDRESS: <i>Shakeel Kadri, Executive Director & CEO, CCPS</i>
2:10 – 3:00 PM Keynotes Session Chairs: <i>Joe Stough & Mike Snyder</i>	KEYNOTE 1: Digital Journey for Process Safety <i>Cotey Cswaykus, Chevron</i>
	KEYNOTE 2: PPG Spill Likelihood Index <i>Pedro Perez and Juan Merino, PPG</i>
3:00 – 3:20 PM Facilitators: <i>Joe Stough & Mike Snyder</i>	Networking Break & Keynote Q&A
3:20 – 4:10 PM Panel Session Chairs & Moderator: <i>Joe Stough, Arthur Groot & Tijds Koerts</i>	PANEL 1: Challenges to Integrate New Digitalization Tools & Technologies into Existing Facilities Panelist: <ul style="list-style-type: none"> • <i>Wilfred Beijers</i>, Chevron • <i>Greg Nesmith</i>, Dow • Total Energies • Saudi Aramco
4:10 – 4:25 PM	Break
4:30 – 5:20 PM	SESSION 1: Augmented Reality & Robotic
Session Chairs: <i>Mike Snyder & Anil Gokhale</i>	Augmented Reality to Improve Process Safety <i>Herve Vaudrey, DEKRA</i>
	How Virtual Reality training, based on Digital Twin, Supported Covestro's Safety and Reliability on their Largest Production Lines <i>Anke Köster & Pietro Valsecchi, Covestro</i>
	How Machine Learning Supported by a Cobot-Installation Can Help to Increase Occupational Workplace Safety Significantly – A Successful Case Study <i>Birger Bockius, Merck KGaA</i>
5:20 – 5:40 PM Session Chairs: <i>Horst Massong & Jing Chen</i>	POSTER SESSION
5:40 – 6:30 PM	SESSION 2: Big Data Analytics for Process Safety
Session Chairs: <i>Tijds Koerts & Anil Gokhale</i>	Benefits of Process / Functional Safety Digital Transformation <i>Mike Scott, aeShield</i>
	Leveraging Big Data and Analytics to Improve Pressure Relief Valve Performance <i>Nancy Faulk, Siemens Energy</i>
	Aggregating OT Data to Promote Operability and Safety <i>Sven Lohmann, Emerson</i>
6:30-7:30	Social Hour "A moderator will be assigned to each table to discuss process safety and big data hot topics with attendees"

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2:00 – 2:10 PM	WELCOME ADDRESS: <i>Pol Hoorelbeke, Vice President Division HSE Audit & Accident Investigations, TotalEnergies</i>
2:10 – 3:00 PM Keynotes Session Chairs: <i>Shakeel Kadri, Pol Hoorelbeke & Hans Schwarz</i>	KEYNOTE 3: Intelligent Dynamic Risk Management <i>Shashank Singh, Reliance Industries Limited</i>
	KEYNOTE 4: Transforming Process Safety on a Grand Scale <i>Fadi Ghajar, Saudi Aramco</i>
3:00 – 3:20 PM Facilitators: <i>Shakeel Kadri, Pol Hoorelbeke & Hans Schwarz</i>	Networking Break & Keynote Q&A
3:20 – 4:10 PM Panel Session Chairs & Moderator: <i>Tony Downes & Abdul Aldeeb</i>	PANEL 2: The Journey for Sustainable and Innovative Implementation of Process Safety Big Data Analytics Projects Panelist: <ul style="list-style-type: none"> • <i>Emmanuel Romeu, SAS (JMP)</i> • <i>Dag Yemenu, ISN NetWorld</i> • <i>Joe Stough, SIFZERO</i>
4:10 – 4:25 PM	Break
4:30 – 5:20 PM	SESSION 3: Predictive Maintenance
Session Chairs: <i>Arthur Groot & Greg Nesmith</i>	Turning Cameras into Eyes – Success Stories and Lessons Learned from Leveraging Computer Vision to Improve Safety and Reliability in Facility Operations <i>Muhammad Riandhy, PT. Chevron Pacific Indonesia</i>
	Minimizing Human Errors in Data Gathering from the Field <i>Paul Linkin, GoArc</i>
	Neural Survival Modeling to Predict Process/Environmental Excursions in an Operating Facility <i>Kyungjin Moon, Honeywell</i>
5:20 – 5:40 PM Session Chairs: <i>Horst Massong & Jing Chen</i>	POSTER SESSION
5:40 – 6:30 PM	SESSION 4: Tools to Avoid Human Errors
Session Chairs: <i>Hans Schwarz & Daniel Mottaghi</i>	A Tool to Improve Loss Prevention from Human Error in High Hazard Industries through the Identification of Error Traps Using Machine Learning <i>Gus Carroll, Empirisys</i>
	PSE Asset Integrity Software and Training Help to Reduce or Eliminate Human Error <i>Dianne Coon, ioMosaic</i>
	Using Big Data to Generate Lab Certified PHA – Saving Time and Increasing Risk Discovery <i>Roxanne Mai, Risk Alive Analytics Inc.</i>
6:30 – 7:30 PM	Social Hour <i>“A moderator will be assigned to each table to discuss process safety and big data hot topics with attendees”</i>